

Appln No. 10/687,847

Amdt date April 11, 2005

Reply to Office action of January 11, 2005

Amendments to the Specification:

Please amend paragraph [0028] as follows:

[0028] Referring now to FIG. 3, there is shown an exploded perspective view of one of the eductors 20 of FIG. 1. The eductor 20 shown is a single suction inlet eductor, which is essentially the same as the dual suction inlet eductor 18 except it has one less suction inlet. Broadly speaking, the eductor 20 comprises a valve 2025, which includes a valve body 24, a valve bonnet 64, and an eductor housing 58, which includes a reduced section 60, an inlet 46, and an outlet 62. The eductor housing 58 is attached to the valve body 24 via a threaded fitting 66. As readily understood by a person of ordinary skill in the art, the valve 56 is responsible for opening and closing the flow path of the motive source and the eductor housing 58 is responsible for regulating, at least in part, the amount of fluid that enters the eductor inlet 46. Other valve components incorporated in the eductor 20 include a diaphragm 68, an armature 70, a spring 72, a second spring 74, and a magnet 76. The function and operation of these various components, including the entire eductor 20, are well known and are incorporated in the commercial embodiment of the AccuDose system offered by Hydro Systems Company. Further discussion is not believed necessary.

Please amend paragraph [0029] as follows:

[0029] Referring again to the eductor housing 58 and particularly to the inlet 46 of the eductor 21, there is shown a female threaded receptacle 78 for receiving a male end 80 of a hose barb assembly 82. The hose barb assembly 82 is, in turn, configured to receive a metering tip 84, which has an orifice therein for regulating the amount of flow that flows therethrough. The metering tip 84 is connected to the barb assembly 82 by pushing the male end ~~83~~ 86 of the metering tip into the opening 88 of the barb assembly, which then couples the two in a slight interference fit. The metering tip 84 is available from Hydro Systems Company in a variety of orifice sizes ranging from 0.006" (having Hydro part No. 10027004) to 0.128" (having Hydro

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part No 690012). The metering tip is also available with a closed end so that a custom orifice size may be drilled therethrough for a custom configuration.